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TI Chlorine-free crosslinkable adhesive compositions comprising epoxylated block copolymers and their application
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AB The compns. comprise (A) epoxylated block copolymers 20-100, (B) tackifiers 0-80 (A + B = 100), (C) epoxy crosslinking catalysts 0.01-10, and (D) solvents 50-2,000 parts. The block copolymers comprise (A1) arom. vinyl compd.-based polymer block and (A2) (hydrogenated) conjugated diene-based polymer block. Pair of substrates are laminated with the adhesives by aging at ordinary temp.-50.degree. for crosslinking of A. Thus, 80 parts epoxylated SBS rubber (Epofriend A 1020) and 20 parts a rosin acid ester (Neotall 85) were dissolved in 233 parts cyclohexane and blended with 0.2 part SbF6-type arom. sulfonium salt (SI 100 L) to give an adhesive. A specimen of polycarbonate/PET composite, laminated with the adhesive, showed 180.degree. peeling strength 32.0 kg/cm2 after 12-h aging under 1-kg load.

ST epoxylated SBS rubber adhesive chlorine free; composite manuf heat resistant adhesive; styrene butadiene block rubber epoxylated adhesive

IT Styrene-butadiene rubber, uses
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(block, triblock; epoxidized, Epofriend A 1020; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT Crosslinking catalysts
(cationic; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT Tackifiers
(epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT Resin acids
RL: MOA (Modifier or additive use); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(esters with glycerol, Neotall 85, tackifier; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT Resin acids
RL: MOA (Modifier or additive use); USES (Uses)
(esters, tackifier; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT Adhesives
(heat-resistant; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT Petroleum resins
RL: MOA (Modifier or additive use); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(hydrogenated, I-Marv P 125, tackifier; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT Rosin
RL: MOA (Modifier or additive use); USES (Uses)
(maleated, tackifier; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT Phenolic resins, uses
RL: MOA (Modifier or additive use); USES (Uses)
(terpenoid, tackifiers; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT 84256-20-2, SI 100L
RL: CAT (Catalyst use); USES (Uses)
(crosslinking catalysts; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT 110-82-7, Cyclohexane, uses
RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(solvents; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT 108-88-3, Toluene, uses 110-54-3, n-Hexane, uses 141-78-6, Ethyl acetate, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(solvents; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT 106107-54-4
RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(styrene-butadiene rubber, block, triblock, epoxidized, Epofriend A 1020; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT 107566-27-8, YS Polyster T 80
RL: MOA (Modifier or additive use); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
(tackifier; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)

IT 61680-65-7, Coumarone-indene-styrene copolymer
RL: MOA (Modifier or additive use); USES (Uses)
(tackifiers; epoxylated block copolymer-based crosslinkable adhesives with good heat resistance for composite lamination)